

AMENDMENTS TO THE SPECIFICATION:

Please rewrite paragraph [0022] at page 3 as follows:

The above described disadvantages are overcome and a number of advantages are realized by the inventive antenna module assembly, which is generally illustrated at 10 in Figures 2-4. The antenna module assembly 10 includes a mast assembly, which is seen generally at 12, that includes an antenna housing 12a, a first antenna element 12b, such as a mast antenna element, an antenna mast screw 12c, and a threaded metallic stud 12d. The antenna module assembly 10 also includes a cover 14, a gasket inner seal 16, a circuit board 18 carrying a second antenna element 18a, a base 20, a gasket outer seal 22, a retaining clip 24, which is secured about a locating boss 20a by a screw 26, and wire leads 28, which are connected to and extend from the circuit board 18.

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Please rewrite paragraph [0025] at page 4 as follows:

Other antennas may be applied in the design of the antenna module assembly 10 as well. For example, a the second antenna element 18a, such as a ceramic patch antenna element 18a, is shown on the circuit board 18. The ceramic patch antenna element 18a may receive satellite digital audio radio signals (SDARS), which operates on the 2.32-2.345 GHz band, or alternatively, receive commercial global positioning (GPS) signals, which operates on the 1560-1590 MHz band. If multiple signal band reception is desired, the antenna module assembly 10 may be designed to accommodate multiple ceramic patch antenna elements 18a. For example, one possible implementation of the antenna module assembly 10 may include the first antenna element 12b located in the mast assembly 12, and two ceramic patch antenna elements 18a located on the circuit board 18 to receive AMPS/PCS, SDARS, and GPS signals, respectively. Although not shown, other possible antenna designs that function on any other desirable band may be included in the design of the antenna module assembly 10. For example, digital audio broadcast (DAB) signal, which operates on the 1452-1492 MHz band, may also be included as well.

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Please rewrite paragraph [0029] at pages 5 and 6 as follows:

As best seen in Figures 2 and 5, the base 20 includes a plurality of beveled snap-tabs receiving portions 20e integrally located about a base perimeter 20f. The beveled snap-tab receiving portions 20e are designed to engage an inner perimeter 14a of the cover 14 defined by flexible snap-tabs 14b to fasten and matingly secure the cover 14, gasket inner seal 16, circuit board 18, and base 20 of the antenna module assembly 10. Essentially, as the cover 14 slides over the base 20, the snap-tabs 14b momentarily flex outwardly and then return back inwardly in the reverse direction once the snap-tabs 14b have cleared the snap-tab receiving portions 20b 20e of the base 20. Any desirable number of snap-tabs 14b and snap-tab receiving portions 20b 20e may be implemented in the invention; for example, the illustrated embodiment includes a pair of snap-tabs 14b and snap-tab receiving portions 20b 20e on longitudinal sides of the antenna module assembly 10 and a single snap-tab 14b and snap-tab receiving portion 20b 20e located at a front and rear end of the antenna module assembly 10. Although not illustrated, the location of the snap-tabs 14 and snap-tab receiving portions 20b 20e may be flip-flopped from the cover 14 and base 20, respectively. Even further, although individual snap-tabs 14 and snap-tab receiving portions 20b 20e are shown, the invention may alternatively include a single continuous, perimeter-shaped snap tab 14 located about the inside perimeter of the cover 14 and a single continuous snap-tab receiving portion 20b 20e located about the outer perimeter of the base 20.

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Please rewrite paragraph [0030] at page 6 as follows:

To provide a secured sealing assembly against moisture or contaminant ingress that may effect operation of components on the circuit board 18, the cover 14 includes ribs, which are seen generally at 46 and 48, that are located about the perimeter of the antenna module assembly 10. The ribs 46, 48 generally extend downwardly from a cover top portion 14c and bite into an upper portion 16a of the gasket inner seal 16. As seen in Figures 5-8, the ribs 46, are hereinafter referred to as outboard ribs 46 and the ribs 48 are hereinafter referred to as inboard ribs 48. The outboard ribs 46 are generally located about the entire perimeter of the cover 14. To further reduce the overall packaging size of the antenna module assembly 10, the overall perimeter width, W (Figure 9), of the gasket inner seal 16 varies and affects the pattern of the placement of the inboard ribs 48 that bite into the upper portion 16a. Referring initially to Figures 5 and 8, the inboard ribs 48 are generally located about a rear end perimeter, R, of the cover 14 where the mast assembly 12 is located, which is opposite to a front end perimeter, F. As illustrated in Figures 7 and 9, the inboard ribs 48 are also generally located about a two side portion perimeters, S. Although not illustrated in cross-sectional view, the inboard ribs 48 are also located about corner perimeter portions, C (Figure 9).

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Please rewrite paragraph [0031] at pages 6 and 7 as follows:

As explained above in relation to reducing the overall packaging of the antenna module assembly 10, corners 32 (Figure 9) of the ceramic patch antenna element 18a extend into recesses, which are generally seen at 50, of the gasket inner seal 16; thus, referring to Figures 5 and 6, the inboard ribs 48 may not be continuous about the cover 14 perimeter proximate to the recesses 50 of the gasket inner seal 16, which defines the overall perimeter width, W, variation, as explained above. Therefore, to accommodate the corners 32 of the ceramic patch antenna element 18a, the inboard ribs 48 are altered such that only the outboard ribs 46 bite into the upper portion 16a of the gasket inner seal 16 near the recesses 50. Although it is preferable to maintain inboard ribs 48 about the entire perimeter of the cover 14, it is contemplated that overall packaging size may be desirably reduced by discontinuing the rib pair pattern of the outboard and inboard ribs 46, 48 at least where the corners 32 of the ceramic patch antenna element 18a extend into the gasket inner seal 16.

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Please rewrite paragraph [0033] at pages 7 and 8 as follows:

Accordingly, an improved antenna module assembly 10 is provided and eliminates the use of applied fasteners, such as metallic screws, to improve antenna performance and quality while also decreasing assembly labor and component cost. The antenna module assembly 10 may also be decreased in size about its overall perimeter by providing mating sets of flexible snap-tabs^{14b} and snap-tab receiving portions ^{20b} 20e about the cover 14 and base 20 such that the ribs 46, 48, and 20g extending from the cover 14 and base 20 engages the inner gasket seal 16. As a result of reducing the overall packaging size of the antenna module assembly 10, the antenna module assembly 10 may be applied to a variety of vehicles, negating the concern of alternate roof design or trimming issues of a vehicle.

It is believed that the amendments to the specification correct all known errors. The corrections are minor in nature and are intended to provide consistency and clarity to the reader. No new matter has been added.